

ABSTRACT

The present invention provides an adaptive fill control for controlling the amount of liquid added in one or more liquid fill periods in a dishwasher cycle. The amount of liquid added in
10 a liquid fill cycle is adjusted by activating the dishwasher drain pump while continuing to operate the dishwasher circulation pump. The accumulated time from the start of the drain pump operation until the circulation pump experiences a liquid starvation episode is compared to a predetermined optimum time period for the circulation pump to experience liquid starvation. The sign and difference between to accumulated time period and optimum
15 time period is used to adjust the amount liquid added in the next liquid fill period. A number of sensors for detecting a circulation pump liquid starvation episode are disclosed.